

LabStandard®

AUTOTUNE MS CALIBRATION SOLUTIONS
FOR THERMO FAMILY MASS SPECTROMETERS

2020 - 2021

CALIBRATION SOLUTIONS FOR MASS SPECTROMETERS

LabStandard[®] is the brand that identifies the line of organic compounds standards produced by the Lab. Instruments (Italy) srl under procedures accredited by ISO 17034:2016 and verified in QC laboratory accredited ISO 17025: 2017.

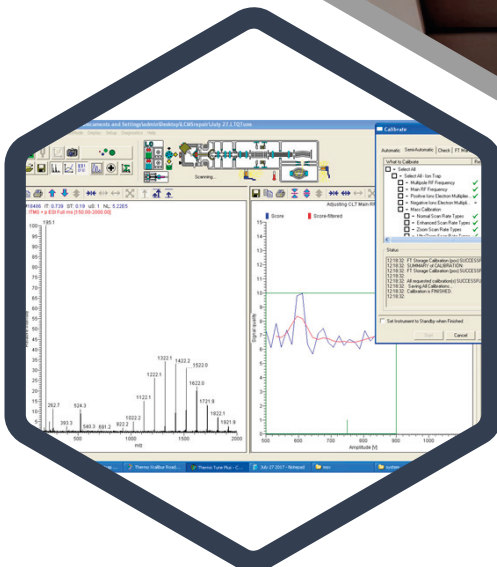
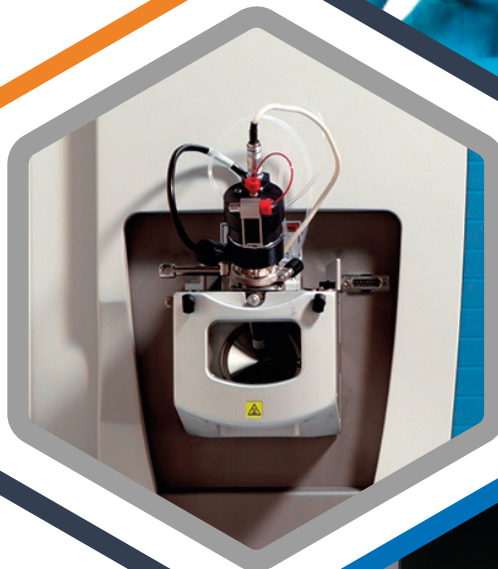
Autotune *LabStandard*[®] Calibration Solutions for mass spectrometry are “Ready-to-use” liquid formulations that can quickly calibrate Thermo Scientific™ LC-MS Instrumentation.

All the analytical standards realized with these procedures are CRM (Certified Reference Materials).

The property value is accompanied by the measurement uncertainty that includes the uncertainty of the objectively measured long-term stability.

In addition to Autotune MS Calibration Solutions, Lab.Instruments offers CRM and RM of pesticides, labeled and not, Phytochemicals, Vet Drugs, Mycotoxins, Food Additives, Vitamins, Fatty Acids, IPA's, PCB's, and Plant Metabolite Standards in compliance with accredited methods and procedures ISO 17034 and ISO 17025 in a factory certified ISO 9001:2015 and ISO 14001:2015.

Specifically designed
for **Thermo Scientific™**
Mass Spectrometers



TSQ POLYTYROSINE 1,3,6 FOR POSITIVE AND NEGATIVE CALIBRATION MODE

LabStandard[®] TSQ Polytyrosine 1,3,6 calibration solution, enables auto-tune and calibration of Thermo Scientific[™] Triple Stage Quadrupole Mass Spectrometers in positive or negative ion mode. It covers a mass range from m/z 182 to m/z 997, and can be used for instrument calibrations between m/z 50 and 1500.

LabStandard[®] products are manufactured in accordance with accredited and certified procedures: ISO 17034:2016, ISO/IEC 17025:2017, UNI EN ISO 14001:2015, UNI EN ISO 9001:2015.



FEATURES AND BENEFITS

UNI EN ISO9001:2015

UNI EN ISO14001:2015

ISO/IEC 17025:2017

ISO 17034:2016

Ready to use: Load the calibration solution into a syringe and infuse it into the instrument.

Colour Coded: Label for easy identification.

High purity analytes: Mass spectrometry grade solvents.

Precise formulation: Solution of Tyrosine, Tri-Tyrosine & Hexa-Tyrosine in MeOH/Water/FA matrix.

Specialized: Developed and qualified specifically for use with TSQ Quantum family instruments.

High purity container: Non-leachable, leak-proof container.

Stable: Store at 2° to 8°C for more than one year.

COMPATIBLE MASS SPECTROMETERS

- TSQ Access Max[™]
- TSQ Altis[™]
- TSQ Quantum Discovery[™]
- TSQ Quantis[™]
- TSQ Quantum Ultra[™]
- TSQ Fortis[™]
- TSQ Vantage[™]
- TSQ Endura[™]
- TSQ Quantiva[™]

PRODUCT INFO

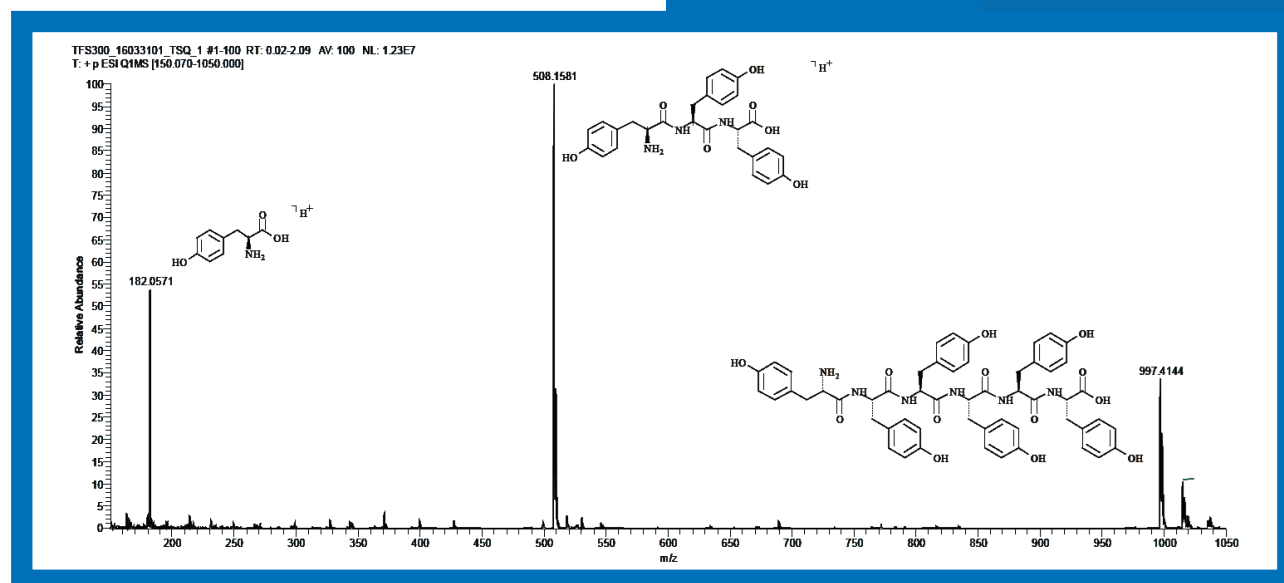
Description: *LabStandard*[®] TSQ Polytyrosine 1,3,6

Catalogue code:
LBS22AU3Q1590

Catalogue code:
LBS22AU15G1590

Packaging:
6 x 1 ml amber silanized ampoule

Packaging:
10 ml FEP Vial



LTO XL ESI/HYBRID CALMIX POSITIVE ION CALIBRATION SOLUTION

LabStandard[®] LTO ESI Positive Ion Calibration Solution, enables calibration of Thermo Scientific[™] Ion Trap, Exactive[™], Orbitrap[™] and Hybrid (IT/FT) Mass Spectrometers in positive ion mode. It covers a mass range from m/z 138 to m/z 1822, and can be used for instrument calibrations between m/z 50 and 2000.

LabStandard[®] products are manufactured in accordance with accredited and certified procedures: ISO 17034:2016, ISO/IEC 17025:2017, UNI EN ISO 14001:2015, UNI EN ISO 9001:2015.



FEATURES AND BENEFITS

UNI EN ISO9001:2015

UNI EN ISO14001:2015

ISO/IEC 17025:2017

ISO 17034:2016

Ready to use: Load the calibration solution into a syringe and infuse it into the instrument.

Colour Coded: Label for easy identification.

High purity analytes: Mass spectrometry grade solvents.

Precise formulation: Solution of Caffeine, MRFA & Ultramark 1621 in Water/ACN/MeOH/AcOH.

Specialized: Developed and qualified specifically for use with LTO[™], Exactive[™] and Orbitrap[™] family instruments.

High purity container: Non-leachable, leak-proof container.

Stable: Store at 2° to 8°C for more than one year.

COMPATIBLE MASS SPECTROMETERS

- LXQ[™]
- LCQ Fleet[™]
- LTO XL[™]
- LTO Orbitrap Discovery[™]
- LTO Orbitrap XL[™]
- Exactive[™]
- LTO FT Ultra[™]

PRODUCT INFO

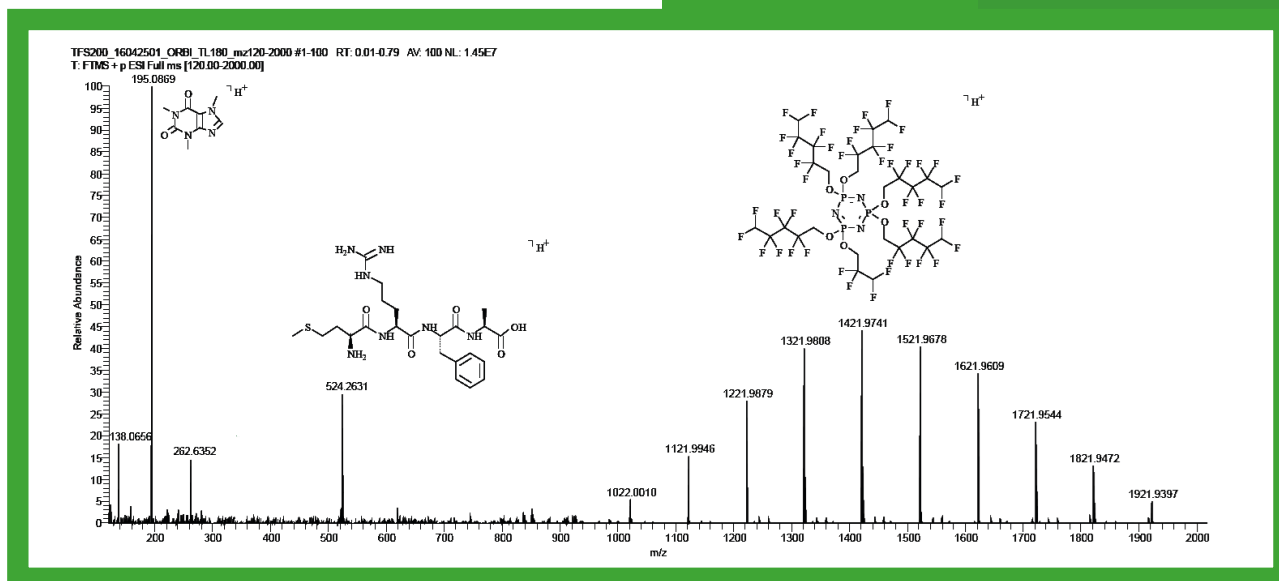
Description: *LabStandard*[®] LTO XL ESI Positive Ion Calibration Solution

Catalogue code:
LBS3BS3Q1460

Catalogue code:
LBS3BS15G1460

Packaging:
**6 x 1 ml amber
silanized ampoule**

Packaging:
**10 ml
FEP Vial**



LTQ VELOS ESI/HYBRID CALMIX POSITIVE ION CALIBRATION SOLUTION

LabStandard[®] LTQ Velos ESI Positive Ion Calibration Solution, enables calibration of Thermo Scientific™ Ion Trap (Velos™ family), LTQ Orbitrap™, Hybrid (IT/FT or Q/FT) and Tribrid (Q/IT/FT) Mass Spectrometers in positive ion mode. It covers a mass range from m/z 74 to m/z 1822, and can be used for instrument calibrations between m/z 50 and 2000.

LabStandard[®] products are manufactured in accordance with accredited and certified procedures: ISO 17034:2016, ISO/IEC 17025:2017, UNI EN ISO 14001:2015, UNI EN ISO 9001:2015.



FEATURES AND BENEFITS

UNI EN ISO9001:2015

UNI EN ISO14001:2015

ISO/IEC 17025:2017

ISO 17034:2016

Ready to use: Load the calibration solution into a syringe and infuse it into the instrument.

Colour Coded: Label for easy identification.

High purity analytes: Mass spectrometry grade solvents.

Precise formulation: Solution of n-Butylamine, Caffeine, MRFA & Ultramark 1621 in Water/ACN/MeOH/AcOH.

Specialized: Developed and qualified specifically for use with LTQ™ Velos family instruments.

High purity container: Non-leachable, leak-proof container.

Stable: Store at 2° to 8°C for more than one year.

COMPATIBLE MASS SPECTROMETERS

- LTQ Velos™
- LTQ Velos Pro™
- LTQ Orbitrap Velos LTQ™
- Orbitrap Velos Pro Orbitrap™
- ELITE Orbitrap Fusion Tribrid™
- Exactive Plus™
- Q Exactive/Q Exactive Plus™

PRODUCT INFO

Description: *LabStandard*[®] LTQ Velos ESI Positive Ion Calibration Solution

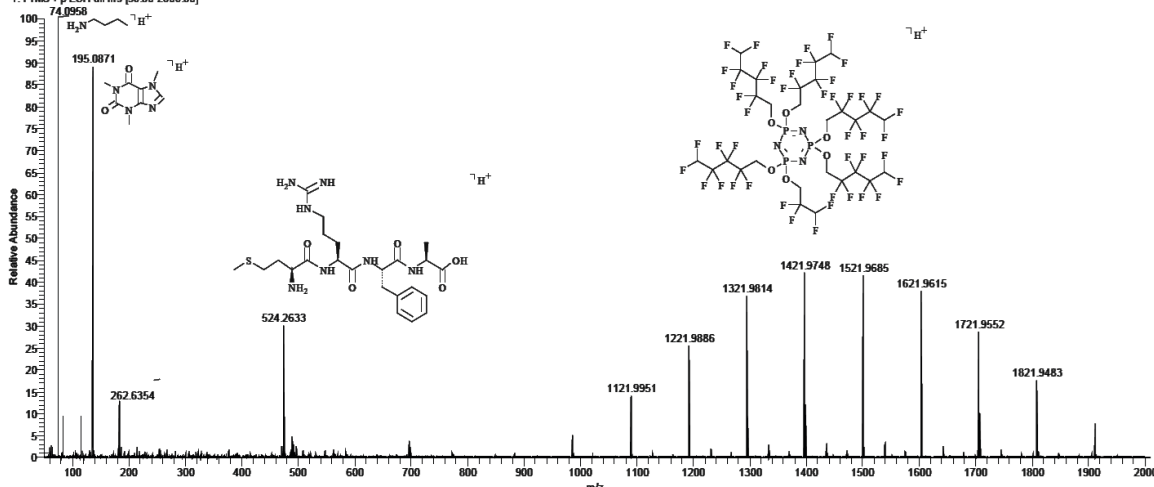
Catalogue code:
LBS3BS3Q1461

Catalogue code:
LBS3BS15G1461

Packaging:
**6 x 1 ml amber
silanized ampoule**

Packaging:
**10 ml
FEP Vial**

TFS210_16042502_ORBI_TL120_mz50-2000_#1-100_RT:0.00-0.79_Av:100_NL:2.74E7
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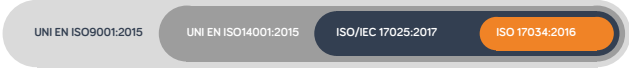
ESI NEGATIVE ION CALIBRATION SOLUTION

LabStandard[®] ESI Negative Ion Calibration Solution, enables calibration of Thermo Scientific™ Ion Trap, Orbitrap™, Hybrid (IT/FT or Q/FT) and Tribrid (Q/IT/FT) Mass Spectrometers in negative ion mode. It covers a mass range from m/z 265 to m/z 1880, and can be used for instrument calibrations between m/z 50 and 2000.

LabStandard[®] products are manufactured in accordance with accredited and certified procedures: ISO 17034:2016, ISO/IEC 17025:2017, UNI EN ISO 14001:2015, UNI EN ISO 9001:2015.



FEATURES AND BENEFITS



- Ready to use:** Load the calibration solution into a syringe and infuse it into the instrument.
- Colour Coded:** Label for easy identification.
- High purity analytes:** Mass spectrometry grade solvents.
- Precise formulation:** Solution of SDS, Sodium Taurocholate & Ultramark 1621 in Water/ACN/MeOH/AcOH.
- Specialized:** Developed and qualified specifically for use with LTQ™, Exactive™ and Orbitrap™ family instruments.
- High purity container:** Non-leachable, leak-proof container.
- Stable:** Store at 2° to 8°C for more than one year.

COMPATIBLE MASS SPECTROMETERS

- LXQ™
- LCQ Fleet™
- LTQ XL™
- LTQ Velos™
- LTQ Velos Pro™
- LTQ Orbitrap Discovery™
- LTQ Orbitrap XL™
- LTQ Orbitrap Velos™
- LTQ Orbitrap Velos Pro™
- Orbitrap ELITE™
- Orbitrap Fusion Tribrid™
- Exactive/Exactive Plus™
- Q Exactive/Q Exactive Plus™
- LXQ™

PRODUCT INFO

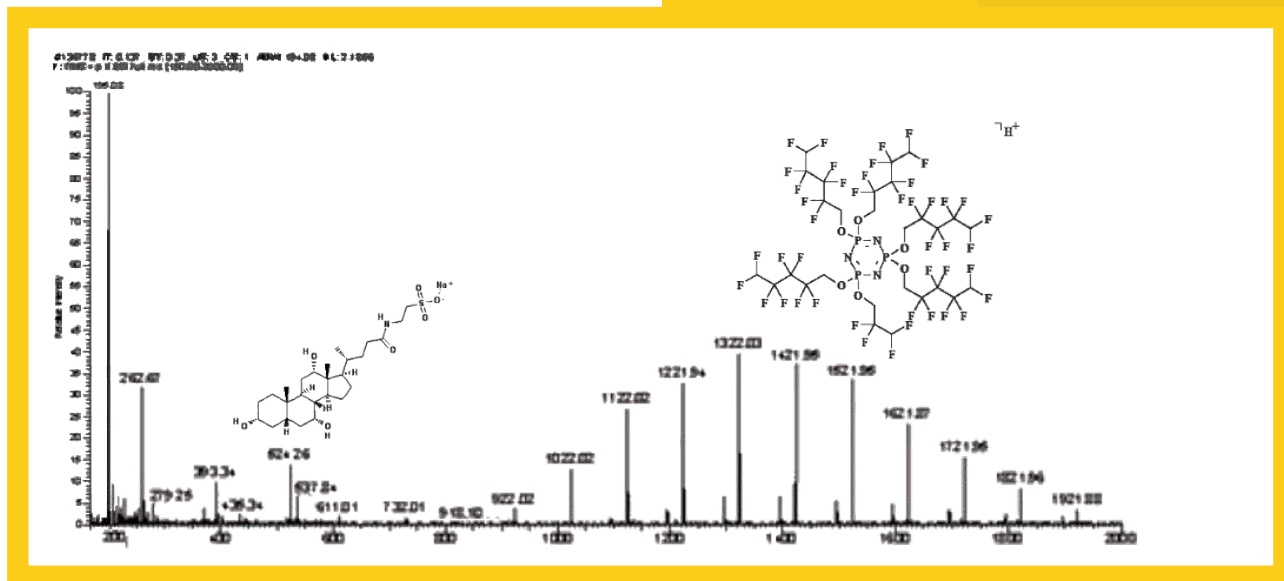
Description: *LabStandard*[®] ESI Negative Ion Calibration Solution

Catalogue code:
LBS3BS3Q1462

Catalogue code:
LBS3BS15G1462

Packaging:
6 x 1 ml amber silanized ampoule

Packaging:
10 ml FEP Vial



SELECTION GUIDE FOR THERMO SCIENTIFIC™ MASS SPECTROMETERS

	TSQ™ Polytyrosine 1,3,6	LTQ XL ESI™ Positive Ion Calibration Solution	LTQ Velos ESI™ Positive Ion Calibration Solution	ESI Negative Ion Calibration Solution
LXQ™	Not recommended	Recommended	Not recommended	Recommended
LCQ Fleet™	Not recommended	Recommended	Not recommended	Recommended
LTQ XL™	Not recommended	Recommended	Not recommended	Recommended
LTQ Velos™	Not recommended	Not recommended	Recommended	Recommended
LTQ Velos Pro™	Not recommended	Not recommended	Recommended	Recommended
LTQ Orbitrap Discovery™	Not recommended	Recommended	Not recommended	Recommended
LTQ Orbitrap XL™	Not recommended	Recommended	Not recommended	Recommended
LTQ Orbitrap Velos™	Not recommended	Not recommended	Recommended	Recommended
LTQ Orbitrap Velos Pro™	Not recommended	Not recommended	Recommended	Recommended
Orbitrap ELITE™	Not recommended	Not recommended	Recommended	Recommended
Orbitrap Fusion Tribrid™	Not recommended	Not recommended	Recommended	Recommended
Exactive™	Not recommended	Recommended	Not recommended	Recommended
Exactive Plus™	Not recommended	Not recommended	Recommended	Recommended
Q Exactive/Q Exactive Plus™	Not recommended	Not recommended	Recommended	Recommended
LTQ FT Ultra™	Not recommended	Recommended	Not recommended	Recommended
TSQ Access Max™	Recommended	Not recommended	Not recommended	Not recommended
TSQ Quantum Discovery™	Recommended	Not recommended	Not recommended	Not recommended
TSQ Quantum Ultra™	Recommended	Not recommended	Not recommended	Not recommended
TSQ Vantage™	Recommended	Not recommended	Not recommended	Not recommended
TSQ Endura™	Recommended	Not recommended	Not recommended	Not recommended
TSQ Quantiva™	Recommended	Not recommended	Not recommended	Not recommended
TSQ Altis™	Recommended	Not recommended	Not recommended	Not recommended
TSQ Quantis™	Recommended	Not recommended	Not recommended	Not recommended
TSQ Fortis™	Recommended	Not recommended	Not recommended	Not recommended

Recommended 

Not recommended 



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Accreditations and Certifications

ISO 17034:2016
ISO/IEC 17025:2017
UNI EN ISO 14001:2015
UNI EN ISO 9001:2015

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www.crmlabstandard.com



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